

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-39. (canceled)

40. (currently amended) A composition in the form of an emulsion comprising astaxanthin and/or astaxanthin esterified to fatty acid acyl groups, an aqueous diluent, an emulsifier, and one or more of the following substances: vitamins, minerals, amino acids, lipids, peptides, nucleotides and/or polysaccharides, wherein all the astaxanthin is in the form of micelles.

41. (previously presented) A composition as claimed in claim 40, further comprising an aqueous diluent, wherein the composition is in a liquid state.

42. (previously presented) A composition as claimed in claim 40, wherein one or more of the components of the composition are water soluble.

43. (previously presented) A composition as claimed in claim 40, wherein one or more of the components of the composition is/are fat soluble.

44. (previously presented) A composition as claimed claim 43, wherein the fat soluble components are in the form of micelles.

45. (previously presented) A composition as claimed in claim 40, wherein the composition comprises one or more water soluble vitamins and one or more fat soluble vitamins.

46. (previously presented) A composition as claimed in claim 40, wherein the composition comprises one or more water soluble carotinoids and one or more fat soluble carotinoids.

47. (withdrawn) A composition as claimed in claim 40, wherein the composition comprises one or more water soluble amino acids and one or more fat soluble amino acids.

48. (withdrawn) A composition as claimed in claim 40, wherein the composition comprises one or more water soluble minerals and one or more fat soluble minerals.

49. (withdrawn) A composition as claimed in claim 40, wherein the composition comprises one or more water soluble peptides and one or more fat soluble peptides.

50. (withdrawn) A composition as claimed in claim 40, wherein the composition comprises one or more water soluble nucleic acids and one or more fat soluble nucleic acids.

51. (previously presented) A composition as claimed in claim 40, wherein the composition comprises an oil.

52. (withdrawn) A composition as claimed in claim 40, wherein the composition comprises water soluble 1, 3 β -glucan or 1,6 β -glucan.

53. (previously presented) A composition as claimed in claim 40, further comprising cellulose, gum and or a sugar derivative.

54. (previously presented) A composition as claimed in claim 40, further comprising Polysorbate 80 as an emulsifier.

55. (previously presented) A composition as claimed in claim 40, further comprising monopropylene glycol as a stabilizing agent.

56. (previously presented) A composition as claimed in claim 40, further comprising phosphoric acid and/or potassium sorbate as a preservative.

57. (previously presented) A composition as claimed in claim 40, further comprising ascorbyl polyphosphate and/or butylated hydroxy-toluene as an antioxidant.

58. (canceled).

59. (previously presented) A composition for enriching the diet of a captive species, wherein the composition is as claimed in claim 40.

60. (previously presented) A composition as claimed in claim 59, wherein the captive species are fish, ornamental fish, or aquarium fish.

61. (previously presented) A composition as claimed in claim 59, wherein the composition is incorporated in feed.

62. (withdrawn) A method for the enrichment of feed, comprising soaking the feed in a composition as claimed in claim 40.

63. (withdrawn) A method as claimed in claim 62, wherein the feed is defrosting or defrosted.

64. (withdrawn) A method as claimed in claim 62, wherein the feed is soaked in the composition prior to freezing.

65. (withdrawn) A method for the enrichment of feed, comprising spraying the feed with a composition as claimed in claim 40.

66. (withdrawn) A method for the enrichment of feed, comprising the addition of the composition as claimed in claim 40 before or during the production of processed feed.

67. (withdrawn) A method for enrichment of feed, comprising the injection of the composition as claimed in claim 40 into the feed.

68. (withdrawn) A method for enrichment of feed, comprising adding the composition as claimed in claim 40 to the environment or diet of live feed.

69. (previously presented) A feed comprising a composition as claimed in claim 40.